1-Explain the difference between the JQuery method and the normal method

Ans -jQuery is a fast, small, and feature-rich JavaScript library. It simplifies things like HTML document traversal and manipulation, event handling, and animation.
jQuery methods are typically more concise and cross-browser compatible.

Normal method refers to using plain JavaScript without any libraries.
More verbose and may require more lines of code to achieve the same functionality as jQuery.

 While both jQuery and Cypress provide methods to interact with web elements, they serve different purposes and operate under different paradigms. jQuery is a synchronous, general-purpose library for DOM manipulation and event handling, whereas Cypress is an asynchronous, test-focused framework with automatic waiting and built-in assertions. Understanding these differences is crucial for effectively using each tool in its respective context.

2- Explain the concepts of Alert in Cypress.

Ans - In Cypress, handling browser alerts (e.g., `alert`, `confirm`) is straightforward. Cypress automatically listens for these alerts and can interact with them.

```
1-cy.on('window:alert', (str) => {
  expect(str).to.equal('This is an alert');
});
1-cy.on('window:confirm', (str) => {
  expect(str).to.equal('Are you sure?');
  return true; // or false to cancel
});
```

3-Explain How dynamic drop-down works, and how to inspect the dynamic drop-down steps.

Ans - Dynamic dropdowns populate their options based on user input or other actions, often implemented using a combination of tags and JavaScript. // Type into the input to trigger dynamic dropdown cy.get('#dynamicDropdown').type('Option') // Wait for options to be populated and select an option cy.get('#dropdownOptions').contains('Option 2').click()